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TITLE : JUNCTION METHOD FOR METALLIC FOIL

ABSTRACT : PURPOSE: To improve a junction strength by strongly bringing a metallic foil into contact in its overlapping state, then, by welding its contact part by projecting laser light thereon.

CONSTITUTION: Plural metallic foils composed of the materials of Al, Cu, etc., are overlapped and strongly brought into contact with the methods of ultrasonic welding, die pressing, etc., in its state. The welding of the metallic foil is performed by projecting the laser light on the contact part then. In this method the formation of small gaps among the metallic foils can be prevented because of the metallic foils to be joined being brought into contact strongly each other. Consequently, a strong junction part is formed due to the laser light welding being performed in the state of completely eliminating the gap and the junction strength can be improved.

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